

In the Claims:

1. (Currently Amended) A fluid separation device for separating fluid or fluid spray from a gas ~~with~~ comprising:

at least one ~~plate-like~~ base carrier having a generally plate-like shape,

at least one fluid separator element arranged in the base carrier, wherein the fluid separator element comprises a flow-through tube with a gas inlet, ~~and with a gas outlet, and in the flow-through tube a worm-like segment disposed~~ between the gas inlet and the gas outlet, ~~the there is arranged a worm-like segment whose having thread surfaces defining a worm-like gas flow path with the an inner wall of the flow-through tube form a worm-like flow path for the gas,~~

~~wherein characterised in that the worm-like segment has a length not greater than smaller or equal to 0.5 times a the pitch of the worm-like segment, and further wherein the at least one fluid separator element and the at least one each base carrier with all flow-through tubes and worm-like segments, which are arranged in it, is designed~~ are integrally formed as one piece.

2. – 17. (Canceled)

18. (New) The fluid separation device of claim 1, wherein the at least one base carrier comprises two or more separator elements disposed adjacent one another in a plane of the base carrier.

19. (New) The fluid separation device of claim 1, comprising at least two base carriers, the at least one separator element of a first one of the at least two base carriers being aligned with the at least one separator element of a second one of the at least two base carriers to form a generally continuous flow path.

20. (New) The fluid separation device of claim 19, wherein a rotational direction of a worm-like segment of a separator element of a first base carrier is in a same direction as a worm-like segment of a separator element of a second base carrier.

21. (New) The fluid separation device of claim 19, wherein a rotational direction of a worm-like segment of a separator element of a first base carrier is in an opposite direction as a worm-like segment of a separator element of a second base carrier.

22. (New) The fluid separation device of claim 19, wherein an outlet-side edge of the at least one thread surface of a first worm-like segment of the at least one separator element of the first base carrier is rotated at an angle with respect to an inlet-side edge of the at least one thread surface of the worm-like segment of the at least one separator element of the second base carrier, the angle being one of 0°, 45°, 90° and 135°.

23. (New) The fluid separation device of claim 19, wherein the at least two base carriers are connected by a positive fit.

24. (New) The fluid separation device of claim 19, wherein the at least two base carriers are one or more of glued, screwed and locked to one another.

25. (New) The fluid separation device of claim 19, wherein the at least two base carriers each include at least one feature for fixing the relative position of the at least two base carriers to one another.

26. (New) The fluid separation device of claim 25, wherein the at least one feature for fixing the relative position of the at least two base carriers to one another comprises at least one bulge on a first base carrier and at least one recess on a second base carrier that corresponds to the at least one bulge on the first carrier.

27. (New) The fluid separation device of claim 1, comprised of one or more of glass, plastic and metal.
28. (New) The fluid separation device of claim 1, comprised of one or more of a duroplast, thermoplast and an elastomer.
29. (New) The fluid separation device of claim 28, wherein the one or more of a duroplast, thermoplast and an elastomer has a $T_g \geq 80^\circ\text{C}$.
30. (New) The fluid separation device of claim 1, comprised of a polyamide material.
31. (New) A method of forming a fluid separation device, comprising integrally forming at least one base carrier with at least one fluid separator element therein, the fluid separator element including a flow-through tube having a gas inlet, a gas outlet, and a worm-like segment disposed between the gas inlet and the gas outlet, the worm-like segment having thread surfaces defining a gas flow path with an inner wall of the flow-through tube, the worm-like segment having a length not greater than 0.5 times a pitch of the worm-like segment.
32. (New) The method of claim 31, wherein integrally forming the base carrier and the at least one fluid separator element comprises co-extruding the base carrier and the at least one fluid separator element.
33. (New) The method of claim 32, wherein the base carrier and the at least one fluid separator element are co-extruding utilizing a die cast method or injection molding method.

34. (New) The method of claim 31, wherein the at least one base carrier and the at least one fluid separator element are formed of at least one of a glass material, a plastic material, a metal material, a duroplast material, a thermoplast material, an elastomer material, and a polyamide material.

35. (New) A method of separating oil from a blow-by gas in a valve cover of a combustion engine utilizing the fluid separation device of claim 1.

36. (New) A method of separating water from an electrochemical cell utilizing the fluid separation device of claim 1.